

What is claimed is:

1. A cooling structure for a fuel cell vehicle,  
comprising:

a fuel cell;

5 a drive motor for driving the fuel cell vehicle using  
the energy generated by the fuel cell;

a first cooling flow passage for cooling the fuel cell  
using a first cooling medium cooled by a main radiator; and

a second cooling flow passage for cooling at least one  
10 of the drive motor and a power control unit of the drive motor  
using a second cooling medium cooled by an auxiliary radiator,

wherein the main radiator is disposed in a central portion  
of a front surface of a vehicle body and the auxiliary radiator  
is disposed on the front surface of the vehicle body in such  
15 a manner that its heat exchange surface is situated shifted  
in a vehicle-width direction so as to prevent it from being  
overlapped with a heat exchange surface of the main radiator.

2. A cooling structure for a fuel cell vehicle,  
20 comprising:

a fuel cell;

a drive motor for driving the fuel cell vehicle using  
the energy generated by the fuel cell;

a first cooling flow passage for cooling the fuel cell  
25 using a first cooling medium cooled by a main radiator; and

a second cooling flow passage for cooling at least one of the drive motor and a power control unit of the drive motor using a second cooling medium cooled by an auxiliary radiator,

wherein the main radiator is disposed on a front surface  
5 of the vehicle body so as to extend substantially over a vehicle-width-direction entire area existing between a pair of right and left main frames respectively disposed along a back-and-forth direction of the vehicle body, and the auxiliary radiator is disposed on the front surface of the vehicle body  
10 in such a manner that it is situated outside the main frames.

3. A cooling structure for a fuel cell vehicle as set forth in Claim 1, wherein the auxiliary radiator is disposed in such a manner that its heat exchange surface faces obliquely  
15 forwardly and outwardly.

4. A cooling structure for a fuel cell vehicle as set forth in Claim 2, wherein the auxiliary radiator is disposed in such a manner that its heat exchange surface faces obliquely  
20 forwardly and outwardly.

5. A cooling structure for a fuel cell vehicle as set forth in Claim 1, wherein the main radiator is disposed in such a manner that its heat exchange surface faces obliquely upwardly  
25 and forwardly.

6. A cooling structure for a fuel cell vehicle as set forth in Claim 2, wherein the main radiator is disposed in such a manner that its heat exchange surface faces obliquely upwardly  
5 and forwardly.

7. A cooling structure for a fuel cell vehicle as set forth in Claim 1, further comprising:

a seal member for closing a space existing between the  
10 main and auxiliary radiators, the seal member being interposed between the main radiator and the auxiliary radiator.

8. A cooling structure for a fuel cell vehicle as set forth in Claim 2, further comprising:

15 a seal member for closing a space existing between the main and auxiliary radiators, the seal member being interposed between the main radiator and the auxiliary radiator.

9. A cooling structure for a fuel cell vehicle as set  
20 forth in Claim 1, wherein an installation height of the auxiliary radiator is set lower than the main radiator.

10. A cooling structure for a fuel cell vehicle as set forth in Claim 2, wherein an installation height of the auxiliary  
25 radiator is set lower than the main radiator.